

Appl. No. 09/348,652
Amdt. dated October 28, 2003
Reply to Office Action of July 28, 2003

PATENTAmendments to the Claims:

Claims 1, 10, 11, 20, 21, 30, 32, 34, and 36 have been amended. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of displaying an electronically stored document, said method comprising:
- receiving user input identifying a user-specified concept of interest;
- analyzing said electronically stored document to identify locations of discussion of said user-specified concept of interest in the electronically stored document; and
- displaying, based upon the identified locations of discussion, a visual indicator showing concentrations of the user-specified concept of interest at locations ~~concentration of said locations of discussion at various points~~ within the electronically stored document, wherein the visual indicator comprises a first axis representing locations within the electronically stored document and a second axis representing concentrations of a user-specified concept of interest.
2. (Previously Presented) The method of claim 1 wherein said visual indicator comprises a contour graph image that indicates relative strength of said user-specified concept at various locations within said electronically stored document.
3. (Previously Presented) The method of claim 1 wherein said visual indicator comprises a line graph.
4. (Previously Presented) The method of claim 1 wherein said visual indicator comprises a bar graph.
5. (Previously Presented) The method of claim 1 wherein said visual indicator comprises a scatter diagram.
6. (Canceled)
7. (Previously Presented) The method of claim 31 further comprising:

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2 accepting user input moving said slider to a second section of said visual
3 indicator; and
4 responsive to movement of said slider to said second section of said visual
5 indicator, displaying a section of said electronically stored document corresponding to said
6 second section of said visual indicator on said display.

1 8. (Previously Presented) The method of claim 1 further comprising:
2 displaying an elongated thumbnail image of a portion of said electronically stored
3 document in a viewing area of a display, wherein portions of said elongated thumbnail image
4 corresponding to said locations of discussion in said portion of the electronically stored
5 documents are annotated.

1 9. (Canceled)

1 10. (Currently Amended) A method of displaying an electronically stored
2 document, said method comprising:
3 receiving user input identifying a plurality of user-specified concepts of interest;
4 displaying a plurality of selectable concept indicators, said selectable concept
5 indicators corresponding to said user-specified concepts of interest;
6 accepting user input selecting a first selectable concept indicator from said
7 plurality of selectable concept indicators corresponding to a first user-specified concept of
8 interest;
9 analyzing said electronically stored document to identify locations in said
10 electronically stored document where said first user-specified concept of interest is discussed;
11 and
12 displaying, based upon the identified locations in said electronically stored
13 document where said first user-specified concept of interest is discussed, a visual indicator
14 showing concentrations of the first-user specified concept of interest concentration of said
15 locations in said electronically stored document, wherein the visual indicator comprises a first
16 axis representing locations within the electronically stored document and a second axis
17 representing concentrations of a user-specified concept of interest, where said first user-specified
18 concept of interest is discussed.

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1 11. (Currently Amended) A computer program product stored on a computer
2 readable medium for displaying an electronically stored document, said computer program
3 product comprising:

4 code for receiving user input identifying a user-specified concept of interest;
5 code for analyzing said electronically stored document to identify locations of
6 discussion of said user-specified concept of interest in the electronically stored document; and
7 code for displaying, based upon the identified locations of discussion, a visual
8 indicator showing concentrations of the user-specified concept of interest at locations
9 ~~concentration of said locations of discussion at various points~~ within the electronically stored
10 document, wherein the visual indicator comprises a first axis representing locations within the
11 electronically stored document and a second axis representing concentrations of a user-specified
12 concept of interest, and
13 ~~a computer-readable storage medium for holding the codes.~~

1 12. (Previously Presented) The computer program product of claim 11
2 wherein said visual indicator comprises a contour graph image that indicates relative strength of
3 said user-specified concept at various locations within said electronically stored document.

1 13. (Previously Presented) The computer program product of claim 11
2 wherein said visual indicator comprises a line graph.

1 14. (Previously Presented) The computer program product of claim 11
2 wherein said visual indicator comprises a bar graph.

1 15. (Previously Presented) The computer program product of claim 11
2 wherein said visual indicator comprises a scatter diagram.

1 16. (Canceled)

1 17. (Previously Presented) The computer program product of claim 33 further
2 comprising:

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3 code for accepting user input moving said slider to a second section of said visual
4 indicator; and
5 code for displaying a section of said electronically stored document corresponding
6 to said second section of said visual indicator on said display responsive to movement of said
7 slider to said second section of said visual indicator.

1 18. (Previously Presented) The computer program product of claim 11 further
2 comprising:

3 code for displaying an elongated thumbnail image of a portion of said
4 electronically stored document in a viewing area of a display, wherein portions of said elongated
5 thumbnail image corresponding to said locations of discussion in said portion of the
6 electronically stored documents are annotated.

1 19. (Canceled)

1 20. (Currently Amended) A computer program product stored on a computer
2 readable medium for providing an interest profile for an electronically stored document, said
3 computer program product comprising:

4 code for receiving user input identifying a plurality of user-specified concepts of
5 interest;

6 code for displaying a plurality of selectable concept indicators, said selectable
7 concept indicators corresponding to said user-specified concepts of interest;

8 code for accepting user input selecting a first selectable concept indicator from
9 said plurality of selectable concept indicators corresponding to a first user-specified concept of
10 interest;

11 code for analyzing said electronically stored document to identify locations in
12 said electronically stored document where said first user-specified concept of interest is
13 discussed;

14 code for displaying based upon the identified locations in said electronically
15 stored document where said first user-specified concept of interest is discussed, a visual indicator
16 showing concentrations of the first-user specified concept of interest ~~concentration of said~~
17 locations in said electronically stored document, wherein the visual indicator comprises a first

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18 axis representing locations within the electronically stored document and a second axis
19 representing concentrations of a user-specified concept of interest. where said first user-specified
20 concept of interest is discussed; and
21 a computer-readable storage medium for containing the codes.

1 21. (Currently Amended) A system for providing an interest profile for an
2 electronically stored document, said system comprising:

3 a memory;

4 a display;

5 a processor, interconnected to said memory and said display by a bus, said
6 processor operatively disposed to:

7 receive user input identifying a user-specified concept of interest;

8 analyze said electronically stored document to identify locations of

9 discussion of said user-specified concept of interest in the electronically stored document; and

10 display, based upon the identified locations of discussion, a visual

11 indicator showing concentrations of the user-specified concept of interest at locations

12 concentration of said locations of discussion at various points within the electronically stored

13 document, wherein the visual indicator comprises a first axis representing locations within the

14 electronically stored document and a second axis representing concentrations of a user-specified

15 concept of interest.

1 22. (Previously Presented) The system of claim 21 wherein

2 said visual indicator comprises a contour graph image that indicates relative
3 strength of said user-specified concept at various locations within said electronically stored
4 document.

1 23. (Previously Presented) The system of claim 21 wherein said visual
2 indicator comprises a line graph.

1 24. (Previously Presented) The system of claim 21 wherein said visual
2 indicator comprises a bar graph.

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1 25. (Previously Presented) The system of claim 21 wherein said visual
2 indicator comprises a scatter diagram.

1 26. (Canceled).

1 27. (Previously Presented) The system of claim 35, wherein said processor is
2 further operative to:

3 accept user input moving said slider to a second section of said visual indicator;
4 and

5 display a section of said electronically stored document corresponding to said
6 second section of said visual indicator on said display responsive to movement of said slider to
7 said second section of said visual indicator.

1 28. (Previously Presented) The system of claim 21, wherein said processor is
2 further operative to:

3 display an elongated thumbnail image of a portion of said electronically stored
4 document in a viewing area of said display, wherein portions of said elongated thumbnail image
5 corresponding to said locations of discussion in said portion of the electronically stored
6 documents are annotated.

1 29. (Canceled)

1 30. (Currently Amended) A system for providing an interest profile for an
2 electronically stored document, said system comprising:

3 a memory;

4 a display;

5 a processor, interconnected to said memory and said display by a bus, said
6 processor operatively disposed to:

7 receive user input identifying a plurality of user-specified concepts of
8 interest;

9 display a plurality of selectable concept indicators, said selectable concept
10 indicators corresponding to said user-specified concepts of interest;

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11 accept user input selecting a first selectable concept indicator from said
12 plurality of selectable concept indicators corresponding to a first user-specified concept of
13 interest;
14 analyze said electronically stored document to identify locations in said
15 electronically stored document where said first user-specified concept of interest is discussed;
16 and
17 display, based upon the identified locations in said electronically stored
18 document where said first user-specified concept of interest is discussed, a visual indicator
19 showing concentrations of the first-user specified concept of interest ~~concentration of said~~
20 ~~locations in said electronically stored document, wherein the visual indicator comprises a first~~
21 axis representing locations within the electronically stored document and a second axis
22 representing concentrations of a user-specified concept of interest. ~~where said first user-specified~~
23 ~~concept of interest is discussed.~~

1 31. (Previously Presented) The method of claim 1 further comprising:
2 displaying a section of said electronically stored document on a display; and
3 displaying a slider on said visual indicator, said slider highlighting a section of
4 said visual indicator corresponding to said section of said electronically stored document
5 displayed on said display.

1 32. (Currently Amended) The method of claim 10 further comprising:
2 accepting user input selecting a second selectable concept indicator from said
3 plurality of selectable concept indicators corresponding to a second user-specified concept of
4 interest; and
5 displaying, in the visual indicator, concentrations of the second user-specified
6 concept of interest ~~a visual indicator showing concentration of locations in said electronically~~
7 ~~stored document where said second user-specified concept of interest is discussed.~~

1 33. (Previously Presented) The computer program product of claim 11 further
2 comprising:
3 code for displaying a section of said electronically stored document on a display;
4 and

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code for displaying a slider on said visual indicator, said slider highlighting a section of said visual indicator corresponding to said section of said electronically stored document displayed on said display.

34. (Currently Amended) The computer program product of claim 20 further comprising:

code for accepting user input selecting a second selectable concept indicator from said plurality of selectable concept indicators corresponding to a second user-specified concept of interest; and

code for displaying, in the visual indicator, concentrations of the second user-specified concept of interest a visual indicator showing concentration of locations in said electronically stored document where said second user specified concept of interest is discussed.

35. (Previously Presented) The system of claim 21 wherein said processor is further operative to:

display a section of said electronically stored document on said display; and
display a slider on said visual indicator, said slider highlighting a section of said visual indicator corresponding to said section of said electronically stored document displayed on said display.

36. (Currently Amended) The system of claim 30 wherein said processor is further operative to:

accept user input selecting a second selectable concept indicator from said plurality of selectable concept indicators corresponding to a second user-specified concept of interest; and

display, in the visual indicator, concentrations of the second user-specified concept of interest a visual indicator showing concentration of locations in said electronically stored document where said second user specified concept of interest is discussed.